

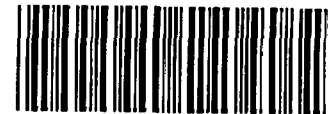


ICF TECHNOLOGY INCORPORATED

MEMORANDUM

926035

TO: David Wineman, EPA Region VI, RPO
THRU: K. H. Malone Jr., FTTOM *km*
THRU: Tim A. Hall, AFTTOM *TAH*
FROM: Joseph D. Phillips, FIT Geologist
DATE: September 14, 1988



SUPERFUND FILE

DEC 22 1992

REORGANIZED

SUBJ: PA Reassessment of the Union Carbide Corporation Off-Plant Disposal Area, located in Texas City, TX.
CERCLIS No. TXD980626782
TDD No. F-6-8805-11
PAN No. FTX0394PAA

The Union Carbide Corporation (UCC) plant located in Texas City, TX, is an active petrochemical facility which has been in operation since 1941. UCC produces olefins, alcohols, glycols, amines, vinyl acetate, vinyl resins, organic acids, and organic esters. Over the years, various waste treatment/disposal facilities have been used at this facility (see Table 1). Presently, some of these facilities are inactive both within the plant itself and at the Off-Plant Disposal Area (OPDA), which is located 1.3 miles east of the plant.

The OPDA is a 280 acre disposal facility that at one time consisted of a series of seven lagoons that were utilized for collection of various waste streams generated at the UCC plant, as well as dredge spoil from the adjacent barge canal. Basins 1, 2, 4, and Lake Institute were closed in the mid-70's. The East Lagoon was closed in 1982. Basins 3 and 5 are in the process of being closed under the supervision of the Texas Water Commission (TWC).

FIT activity at the OPDA has been limited to the completion of a Preliminary Assessment in February, 1983 and a Site Inspection in July, 1986. FIT recommended sampling in the Site Inspection report of July, 1986 to determine the extent of contamination originating from the OPDA. However, a Tentative Disposition by Region VI EPA in October, 1986 stated that RCRA had jurisdiction for this site and that no further action was warranted under CERCLA.

Based on a review of CERCLA, RCRA, NPDES, and TWC files by FIT, the site will not receive the minimum required score in order to be included on the National Priorities List. This is due to the lack of both groundwater and surface water target populations.

Because the Texas Water Commission is actively monitoring UCC's closure efforts at the OPDA, it is recommended that no further Superfund action take place at this site.

Reviewed by GH-ES
Date 3-3-89
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TABLE 1

FACILITY HISTORY INFORMATION

<u>Waste Mgmt. Units</u>	<u>Year Constr.</u>	<u>Year Start-up</u>	<u>Year Inactivated or Closed</u>
IPDA 5	1951	same	Active ^a
IPDA 6	1949	same	Active ^a
IPDA 7	1950	"	Active
IPDA 8	1950	"	Active
IPDA 9	1951	"	1962
Settling Basin 1	1946	"	1966
Settling Basin 2	1948	"	1966
Settling Basin 3	1948	"	1966
Settling Basin 4	1948	"	1966
Acid Sludge Pit 1	1947	"	1950
Acid Sludge Pit 2	1947	"	1950
Acid Sludge Pit 3	1947	"	1950
Acid Sludge Pit 4	1947	"	1949
Incinerator	1967	"	1968
Ground Burner	1956	"	1976
Pilot Plant Pit	1968	"	1970
Pit (Bld. 21)	1959	"	1977
Pumphouse Sump #1	1948	"	Active
Pumphouse Sump #4	1950	"	Active
Pumphouse Sump #6	1953	"	Active
Concentrated Waste Sump	1973	"	Active
Soft Soap Pit	1962	"	Active
Kerosene Pit	1969	"	Active
B-54 Neutralization Pit	1948	"	Active
#1 Clarifier ^b	1973	"	Active
#2 Clarifier ^b	1973	"	Active
Dilute Waste Inlet Box ^b	1973	"	Active
Dilute Waste Sump ^b	1973	"	Active
B-74 Lift Station	1974	"	Active
Lake Rosie	1966	"	Active
Residue Areas Sump #1	1977	"	1984
Residue Areas Sump #2	1977	"	Active
Residue Areas Sump #3	1977	"	Active
Residue Tank #1	1977	"	Active
Residue Tank #2	1977	"	Active
Residue Tank #3	1977	"	Active
Residue Tank #4	1977	"	Active
Residue Tank #5	1977	"	Active
Residue Tank #6	1977	"	Active
Tank 9104C	1967	"	Active
Residue Area Drum Rack	1977	"	Active
RRA Drum Pad	1983	"	Active
Bld. 4 Lab	1941	"	Active
Methanol Feed Tank	1967	"	Active
PCT Tank	1963	"	Active
Bld. 114 Dumpster	1968	"	Active

(cont'd)

Waste Mgmt. Units

	<u>Year Constr.</u>	<u>Year Start-up</u>	<u>Year Inactivated or Closed</u>
Bld. 24 Tank 3003	1955	same	Active
EDC Residue Tank	1971	"	1984
Spent Acetone Tanks	1962	"	Active
VA-5 Incinerator	1976	"	Active
B-186 Sump	1966	"	Active
East Groundburner	1975	"	1984
West Groundburner	1975	"	1984
Bld. 144 Sump	1970	"	Active
C-Gas Carbon Pit No. 1	1950	"	1956
C-Gas Carbon Pit No. 2	1950	"	1956
C-Gas Carbon Pit No. 3	1950	"	1956
C-Gas Carbon Pit No. 4	1950	"	1956
Groundburner Pit	1942	"	1952
East/West Groundburner Pits (3)	1954	"	1974
Tank 9005	1967	"	1981
B-57 Sour Water Tank	1972	"	Active
B-133 Storage Area	1946	"	Active
Polymer Tank	1976	"	Active
Bld. 5	1946	"	Active
Residue Boilers 4/5/31	1955	"	Active
Bld. 17	1943	"	Active

^a Units are currently operated as non-hazardous waste disposal units.

^b Units owned by GCWDA (POTW) but operated by UCC.